



U.S. DEPT. OF COMMERCE PATENT AND TRADEMARK OFFICE (modified) INFORMATION DISCLOSURE CITATION Sheet 1 of 5			Attorney Docket No.: KENT.35570US3		Serial No.: 10/667,806	
			Applicant: Asad A. Khan et al.			
			Filing Date: September 22, 2003		Group:	
U.S. PATENT DOCUMENTS						
Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	3,642,348	02-15-72	Wysocki et al.			
	3,650,603	03-21-72	Heilmeier et al.			
	3,652,148	03-28-72	Wysocki et al.			
	3,697,150	10-10-72	Wysocki et al.			
	3,704,056	11-28-72	Wysocki et al.			
	3,806,230	04-23-74	Haas			
	3,821,720	06-28-74	Greubel et al.			
	3,891,307	06-24-75	Tsukamoto et al.			
	4,097,127	06-27-78	Haas et al.			
	4,234,437	11-18-80	Friberg et al.			
	4,239,347	12-16-80	Brantz et al.			
	4,246,302	01-20-81	Benton et al.			
	4,357,374	11-02-82	Ogawa			
	4,402,999	9-1983	Tatsumichi et al.			
	4,448,823	05-15-84	Clifford			
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Document Number	Date	Country	Class	Subclass	Translation Yes No
	WO 94/10260	11.05.94	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						
	1	Crawford et al., "Reflective Color LCDs Based On H-PDLC and PSCT Technologies", SID 96 Digest, (May 1996).				
	2	F. Moia, "New Liquid Crystal Mixtures For Supertwisted LCDs With Low Tendency For Fingerprint Textures", Central Research Units, Dept ZFE/RLC.4002 Basil, Switzerland, pp 1-12, (March 1989)				
	3	Kawata, Yasushi et al., "A High Reflective LCD With Double Cholesteric Liquid Crystal Layers", pages 246-249, Toshiba Corporation (1997).				
	4	Gerber, P.R., "Compensation Of Temperature Dependence Of Transmission Characteristics Of Twisted Nematic Displays By Cholesteric Dopands", Physics Letter, Volume 78A, no. 3, pages 285-299 (1980)				
	5	Hochgesand, R. et al., "Helical Twisting Power Of Chiral Dopants In Nematic Liquid Crystal", pages 1-21, Industrial Chemicals Division - Dept. Of Physical and Inorganic Research, date unknown				
	6					
EXAMINER	1	DATE CONSIDERED	06/01/15			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609 Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant						
**Copies of references not provided at the time of this submission.						

USPTO Form 1449
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U.S. DEPT. OF COMMERCE
PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION
Sheet 2 of 5

Attorney Docket No.: KENT-35570US3

Serial No.: 10/667,806

Applicant: Asad A. Khan et al.

Filing Date: September 22, 2003

Group:

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
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	4,557,995	12-10-85	Broers et al.			
	4,779,942	10-25-88	Verney			
	4,780,240	10-25-88	Emoto et al.			
	4,813,770	03-21-89	Clerc et al.			
	4,826,620	05-02-89	Hepke et al.			
	4,832,461	05-23-89	Yamagishi et al.			
	4,867,536	09-19-89	Pidsosny et al.			
	4,966,726	10-30-90	Scherowsky et al.			
	4,973,138	11-27-90	Yamazaki et al.			
	5,016,985	05-21-95	Kalmanash et al			
	5,113,272	05-12-92	Reamey			
	5,124,818	06-23-92	Conner et al.			
	5,170,204	12-08-92	Mukai et al.			
	5,200,845	04-06-93	Crooker et al.			
	5,251,048	10-05-93	Doane et al.			
	5,268,782	12-07-93	Wenz et al.			
	5,309,265	05-04-94	Buchecker et al.			
	5,325,218	06-28-94	Willett et al.			
	5,329,388	07-12-94	Yoshimizu			
	5,371,618	12-06-94	Tai et al.			
	5,384,067	01-24-95	Doane et al.			
	5,399,390	03-21-95	Akins			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

2	1	D.K. Yang, et al. "Cholesteric reflective display: Drive scheme and contrast", 320 Applied Physics Letters 64, (15), pages 1905 and 1907 (1994)
	2	B.G. Wu et al., "Zero Field, Multistable Cholesteric Liquid Crystal Displays", The University of Texas at Arlington, pages 476-479, date unknown.

EXAMINER

DATE CONSIDERED

04/11/05

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Sheet 3 of 5

Attorney Docket No.: KENT-35570US3

Serial No.: 10/330,104

Applicant: Asad A. Khan et al.

Filing Date: September 22, 2003

Group:

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
~	5,422,033	06-06-95	Mochizuki et al.			
~	5,437,811	08-01-95	Doane et al.			
~	5,453,863	09-26-95	West et al.			
~	5,493,430	02-20-96	Lu et al.			
~	5,495,355	02-27-96	Konuma			
~	5,506,704	04-09-96	Broer et al.			
~	5,570,216	10-29-96	Lu et al.			
~	5,661,533	08-26-97	Wu et al.			
~	5,695,682	12-09-97	Doane et al.			
~	5,748,277	05-05-98	Huang et al.			
~	5,801,796	09-01-98	Lowe			
~	5,875,012	02-23-99	Crawford et al.			
~	6,034,752	03-07-00	Khan et al.			
~	6,377,321	04-23-02	Khan et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Country	Class	Subclass	Translation Yes	Translation No
~	0218132	10/1990	EP				
~	0211646	04/1992	EP				
~	0351746	12/1993	EP				
~	760030475	03/1976	JP Abstract				

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~	J.W. Doane et al., "Front-Lit Flat Panel Display from Polymer Stabilized Cholesteric Textures", Japan Display '92, pp. 73-76 (1992).		
~	D.K. Yang et al., "Cholesteric Liquid-Crystal/Polymer-Gel Dispersions: Reflective Display Applications", SID Digest, pp. 759-761 (1992).		
~	Blinov, L.M., "Electrical and Magnetic Optical Properties of Liquid Crystal", pp 212-225, 1983		

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DATE CONSIDERED

08/21/01

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				Applicant: Asad A. Khan et al.			
				Filing Date: September 22, 2003		Group:	
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Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
FOREIGN PATENT DOCUMENTS							
Examiner Initials		Document Number	Date	Country	Class	Subclass	Translation Yes No
		52-113386	09/1997	JP			
		0123981A3	07/1984	EP			
		0123981A2	07/1984	EP			
		0217240	12/1989	EP			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
		Sunohara et al., "A Reflective Color LCD Using Three-Layer GH-Mode", SID 96 Digest, pp. 1-7.					
		"Liquid Crystals-Applications and Uses" Birenda Bahadur vol. 2, pp. 130-156, World Scientific Publishing Co., Singapore 1991					
		"Additive Colour Properties and Colour Gamut of Cholesteric Liquid Crystals", David M. Makow and C. Leroy Sanders, Nature, Vol. 276, Nov. 2, 1978, pp. 48-50, MacMilliam Journals 1978.					
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